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[redacted] Log # 218 25X1

25X1

Copy No. 6 of a-d



November 23, 1970

To: John C.
 From: [redacted] 25X1
 Subject: Activity Summary
 Facility Visit, Contract [redacted] 25X1
 Reference: [redacted] 2201201-AS-20 25X1
 Dates: 19, 20 November 1970

Declassification Review by NGA/DoD

This visit by [redacted] was 25X1
 conducted under Contract No. [redacted] The purpose of this visit 25X1
 was directed to continuance of the laboratory effort in image
 manipulation. This portion of the laboratory effort is being
 performed in a manner complimentary to the microscope processing
 at the [redacted] lab facility. The system components to effect
 the process are similar although the scale of the components and
 their arrangement differ.

During this visit the primary activity was directed towards
 continued manipulation of operational imagery, and selection of
 further candidates for image processing. The results of this
 program have been encouraging, based on preliminary results to
 date.

On November 12, 1970 the book entitled Spectral Analysis
 and its Applications, G. Jenkins and D. Watts, Holden Day Inc.
 San Francisco (1969), was delivered.

A copy of the Program Plan left with John C. on November 20
 is attached to this activity summary. The next trip is scheduled
 for November 24, 1970 for program discussions and for 2,3 December
 for laboratory efforts.

GROUP 1
 EXCLUDED FROM AUTOMATIC
 DOWNGRADING AND
 DECLASSIFICATION

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NOTICE

THIS MATERIAL CONTAINS INFORMATION AFFECTING THE
 NATIONAL DEFENSE OF THE UNITED STATES WITHIN THE
 MEANING OF THE SPY LAWS, TITLE 18, USC,
 SECS. 793 AND 794, THE TRANSMISSION OR REVELATION
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Program Plan

To John C.

25X1

From Subject Program Plan, Image manipulation
for week of Nov. 23, 1970

Date 20 Nov., 1970

The present status of this program shows very good potential, and this places several requirements on 'back-stopping' in order to enable a complete estimate and presentation of results. Two areas of effort within this subject area are:

- 1) Statistical evaluation of CORN target imagery and formation of briefing charts on this subject material.
- 2) Collection of related data on processed vehicle, comparison with conventional output, and formation of briefing chart.

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The second subject is one of great relevance, yet the CORN target info. is an excellent approach to demonstrate bar target frequency results related to analytical predictions. Relative to the second target we should take the approach that the pertinent result at this time (and for present objectives) is a demonstration of contrast and frequency enhancement based on optical filter used. If intelligence information is gained at this time then it is a present advantage. However that is precisely the overall objective that we have, an increase in information extractability. We should work at completing these two briefing charts by 30 Nov., 1970.

The second area of effort to continue during this period of time is continued

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pursuance of image manipulation with other photographic material. For this purpose we selected (on Nov. 20) a series of targets from several buckets and these must be duped, and processed on the image manipulator. In outline, that is:

- 1) Procure duped positives from ON of target areas selected on Nov. 20.
- 2) Evaluate contrast enhanced imagery using system configuration as previous.
- 3) One item of impart, try to focus with use of diffuse incoherent source such as the Aristo. This operation has to be more consistent.

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